

**COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**  
(Page 1)

As below named inventors, we hereby declare that:

Our residences, post office addresses and citizenships are as stated below next to our names;

we believe we are the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled GRID NOZZLE OF A FLUIDIZED BED REACTOR,

the specification of which was filed on September 27, 2006 as United States Application No. 594,337, based on PCT International Application No PCT/FI2005/000173 filed on April 4, 2005.

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56.

We hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or §365(c), of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application which designates at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed:

<u>Country</u>	<u>Application No.</u>	<u>Filed (Day/Mo./Yr.)</u>	<u>(Yes/No) Priority Claimed</u>
Finland	20040485	02/04/2004	Yes

We hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, we acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

<u>Application No.</u>	<u>Filed (Day/Mo./Yr.)</u>	<u>Status (Patented, Pending, Abandoned)</u>
PCT/FI2005/000173	04/04/2005	Abandoned

We hereby appoint the practitioners associated with the firm and Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and direct that all correspondence be addressed to the address associated with that Customer Number:

**FITZPATRICK, CELLA, HARPER & SCINTO**  
Customer Number: 05514

We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First Joint Inventor Pekka LEHTONEN

Inventor's signature

Date JUNE 18, 2007

Citizen/Subject of Finland

Residence Vuohenkellonkatu 9, FI-48800 Kotka, Finland

Post Office Address SAME AS ABOVE

Full Name of Second Joint Inventor Pasi MAKKONEN

Inventor's signature

Date

Citizen/Subject of Finland

Residence Nikunmäentie 2 J 19, FI-02920 Espoo, Finland

Post Office Address SAME AS ABOVE

Full Name of Third Joint Inventor Riku SOININEN

Inventor's signature

Date

Citizen/Subject of Finland

Residence Nikklänmäentie 142, FI-79100 Leppävirta, Finland

Post Office Address SAME AS ABOVE

Full Name of Fourth Joint Inventor

Inventor's signature

Date

Citizen/Subject of

Residence

Post Office Address SAME AS ABOVE

Full Name of Fifth Joint Inventor

Inventor's signature

Date

Citizen/Subject of

Residence

Post Office Address SAME AS ABOVE

**COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

(Page 1)

As below named inventors, we hereby declare that:

Our residences, post office addresses and citizenships are as stated below next to our names;

we believe we are the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **GRID NOZZLE OF A FLUIDIZED BED REACTOR**,

the specification of which was filed on September 27, 2006 as United States Application No. 594,337, based on PCT International Application No PCT/FI2005/000173 filed on April 4, 2005.

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

We hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(f), of any foreign application(s) for patent or inventor's certificate, or § 365(e) of any PCT international application which designates at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed:

<u>Country</u>	<u>Application No.</u>	<u>Filed (Day/Mo./Yr.)</u>	<u>(Yes/No) Priority Claimed</u>
Finland	20040485	02/04/2004	Yes

We hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, we acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

<u>Application No.</u>	<u>Filed (Day/Mo./Yr.)</u>	<u>Status (Patented, Pending, Abandoned)</u>
PCT/FI2005/000173	04/04/2005	Abandoned

We hereby appoint the practitioners associated with the firm and Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and direct that all correspondence be addressed to the address associated with that Customer Number:

**FITZPATRICK, CELLA, HARPER & SCINTO**  
Customer Number: 05514

We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First Joint Inventor Pekka LEHTONEN

Inventor's signature

Date

Citizen/Subject of Finland

Residence Vuohenkallontie 9, FI-48800 Kotka, Finland

Post Office Address SAME AS ABOVE

Full Name of Second Joint Inventor Pasi MAKKONEN

Inventor's signature

Date

Citizen/Subject of Finland

Residence Nikkämäentie 2119, FI-02920 Espoo, Finland

Ullankallontie 8A6, OD-50 ESPOO, FINLAND

Post Office Address SAME AS ABOVE

Full Name of Third Joint Inventor Riku SOININEN

Inventor's signature

Date

Citizen/Subject of Finland

Residence Nikkämäentie 142, FI-79100 Leppävirta, Finland

Post Office Address SAME AS ABOVE

Full Name of Fourth Joint Inventor

Inventor's signature

Date

Citizen/Subject of

Residence

Post Office Address SAME AS ABOVE

Full Name of Fifth Joint Inventor

Inventor's signature

Date

Citizen/Subject of

Residence

Post Office Address SAME AS ABOVE

**COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR PATENT APPLICATION**

(Page 1)

As below named inventors, we hereby declare that:

Our residences, post office addresses and citizenships are as stated below next to our names;

we believe we are the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **GRID NOZZLE OF A FLUIDIZED BED REACTOR**,

the specification of which was filed on September 27, 2006 as United States Application No. 594,337, based on PCT International Application No PCT/FI2005/000173 filed on April 4, 2005.

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56.

We hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or §365(6), of any foreign application(s) for patent or inventor's certificate, or § 365(n) of any PCT international application which designates at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed:

<u>Country</u>	<u>Application No.</u>	<u>Filed (Day/Mo./Yr.)</u>	<u>(Yes/No) Priority Claimed</u>
Finland	20040485	02/04/2004	Yes

We hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, we acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

<u>Application No.</u>	<u>Filed (Day/Mo./Yr.)</u>	<u>Status (Patented, Pending, Abandoned)</u>
PCT/FI2005/000173	04/04/2005	Abandoned

We hereby appoint the practitioners associated with the firm and Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and direct that all correspondence be addressed to the address associated with that Customer Number:

**FITZPATRICK, CELLA, HARPER & SCINTO**  
Customer Number: 95514

We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First Joint Inventor Pekka LEHTONEN

Inventor's signature

Date Citizen/Subject of Finland

Residence Vuohenkallionkatu 9, FI-48800 Kotka, Finland

Post Office Address SAME AS ABOVE

Full Name of Second Joint Inventor Pasi MAKKONEN

Inventor's signature

Date Citizen/Subject of Finland

Residence Nikumäentie 2 J 19, FI-02920 Espoo, Finland

Post Office Address SAME AS ABOVE

Full Name of Third Joint Inventor Riika SOININEN

Inventor's signature

Date June 12 2007 Citizen/Subject of Finland

Residence Nikkilänmäentie 142, FI-79100 Leppävirta, Finland

Post Office Address SAME AS ABOVE

Full Name of Fourth Joint Inventor

Inventor's signature

Date Citizen/Subject of

Residence

Post Office Address SAME AS ABOVE

Full Name of Fifth Joint Inventor

Inventor's signature

Date Citizen/Subject of

Residence

Post Office Address SAME AS ABOVE